

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

**Listing of Claims:**

1. (Previously Presented) A process for preparing a catalyst, said process comprising:

selecting a carrier having a sodium solubilization rate no greater than 5 ppmw/5 minutes;

depositing one or more catalytically reactive metals comprising silver on said carrier; and

depositing one or more promoters selected from phosphorus, boron, fluorine, lithium, sodium, rubidium, Group IIA through Group VIII metals, rare earth metals, and combinations thereof prior to, coincidentally with, or subsequent to the deposition of said one or more catalytically reactive metals.

2. (Original) A process according to claim 1 wherein the one or more promoters comprise lithium.

3. (Original) A process according to claim 2 wherein the one or more promoters comprise in addition a Group IA metal which is selected from potassium, rubidium, cesium, sodium, and combinations thereof.

4. (Previously Presented) A process according to claim 1 wherein the one or more promoters are selected from phosphorus, boron, fluorine, Group IIA through Group VIII metals, rare earth metals, and combinations thereof.

5. (Original) A process according to claim 4 wherein said Group IIA metal is selected from magnesium, calcium, strontium, barium, and combinations thereof.

6. (Original) A process according to claim 4 wherein said Group VIII metal is selected from cobalt, iron, nickel, ruthenium, rhodium, palladium, and combinations thereof.

7. (Original) A process according to claim 4 wherein said rare earth metal is selected from lanthanum, cerium, neodymium, samarium, gadolinium, dysprosium, erbium, ytterbium, and combinations thereof.

8. (Original) A process according to claim 4 wherein the one or more promoters comprise rhenium.

9. (Original) A process according to claim 1 wherein said sodium solubilization rate has been achieved by a means effective in rendering ionizable species on the carrier surface ionic and removing that species, or rendering the ionizable species insoluble, or rendering the ionizable species immobile.

10. (Original) A process according to claim 9 wherein said means is selected from washing, ion exchange, volatilizing, impurity control, precipitation, sequestration, and combinations thereof.

11. (Original) A process according to claim 1 wherein said metal is deposited on said carrier by submersing said carrier in an impregnation solution wherein a hydrogen ion activity of said solution is lowered.

12. (Original) A process according to claim 11 wherein said hydrogen ion activity is lowered by addition of a base to said impregnation solution.

13.-23. (Canceled)

24. (Currently Amended) A process according to ~~claim 13~~ claim 1 wherein said carrier is an alumina-based carrier.

25. (Original) A process according to claim 24 wherein said alumina-based carrier is  $\alpha$ -alumina.

26. (Currently Amended) A process according to ~~claim 13~~ claim 1 wherein the amount of a Group IA metal, if present, is in the range of from about 10 ppm to about 1500 ppm, by weight of the total catalyst, expressed as the metal; the amount of a Group VIIB metal, if present, is less than about 3600 ppm, by weight of the total catalyst, expressed as the metal; and the amount of silver is in the range of from about 1 percent by weight to about 40 percent by weight of the total catalyst.

27. (Currently Amended) A process according to ~~claim 13~~ claim 1 wherein said carrier has a surface area in the range of from about  $0.05\text{ m}^2/\text{g}$  to about  $10\text{ m}^2/\text{g}$ .

28. (Previously Presented) A catalyst comprising a carrier having a sodium solubilization rate no greater than 5 ppmw/5 minutes; and deposited on said carrier a catalytically effective amount of one or more catalytically reactive metals comprising silver, and one or more promoters selected from phosphorus, boron,

fluorine, lithium, sodium, rubidium, Group IIA through Group VIII metals, rare earth metals, and combinations thereof.

29. (Original) A catalyst according to claim 28 wherein the one or more promoters comprise lithium.

30. (Original) A catalyst according to claim 29 wherein the one or more promoters comprise in addition a Group IA metal which is selected from potassium, rubidium, cesium, sodium, and combinations thereof.

31. (Original) A catalyst according to claim 29 wherein the one or more promoters comprise in addition a Group IA metal which is cesium.

32. (Previously Presented) A catalyst according to claim 28 wherein the one or more promoters are selected from phosphorus, boron, fluorine, Group IIA through Group VIII metals, rare earth metals, and combinations thereof.

33. (Original) A catalyst according to claim 32 wherein said Group IIA metal is selected from magnesium, calcium, strontium, barium, and combinations thereof.

34. (Original) A catalyst according to claim 32 wherein said Group VIII metal is selected from cobalt, iron, nickel, ruthenium, rhodium, palladium, and combinations thereof.

35. (Original) A catalyst according to claim 32 wherein said rare earth metal is selected from lanthanum, cerium, neodymium, samarium, gadolinium, dysprosium, erbium, ytterbium, and combinations thereof.

36. (Original) A catalyst according to claim 32 wherein the one or more promoters comprise rhenium.

37.-45. (Canceled)

46. (Currently Amended) A catalyst according to ~~claim 37~~ claim 28 wherein said carrier is an alumina-based carrier.

47. (Original) A catalyst according to claim 46 wherein said alumina-based carrier is  $\alpha$ -alumina.

48. (Currently Amended) A catalyst according to ~~claim 37~~ claim 28 wherein the amount of a Group IA metal, if present, is in the range of from about 10 ppm to about 1500 ppm, by weight of the total catalyst, expressed as the metal; the amount of a Group VIIB metal, if present, is less than about 3600 ppm, by weight of

the total catalyst, expressed as the metal; and the amount of silver is in the range of from about 1 percent by weight to about 40 percent by weight of the total catalyst.

49. (Currently Amended) A catalyst according to ~~claim 37~~ claim 28 wherein said carrier has a surface area in the range of from about  $0.05\text{ m}^2/\text{g}$  to about  $10\text{ m}^2/\text{g}$ .

50-53. (Canceled)